CLAIMS

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is as follows:

Sub A1

1. A method of encryption of a data file transmitted to a decoder, said method comprising steps of

defining a write order of data blocks of said data file to non-sequential storage locations of a mass memory in accordance with a first key and allocating corresponding sectors,

storing said data blocks in memory in accordance with said write order and updating said file allocation table,

encrypting the file allocation table with a key, forming an encrypted file allocation table, and

storing said encrypted file allocation table to said mass memory.

Sub B3

2. A method as recited in claim 1 wherein said mass memory is a hard disk drive.

3. A method as recited in claim 1 wherein said mass memory is a compact disk recorder/player.

4. A method as recited in claim 1, wherein said updating in a file allocation table is performed in accordance with a second key.

5. A method as recited in claim 4, wherein said encryptig step is performed in accordance with a third key.

6. A method as recited in claim 4, wherein said first and second keys are identical.

7. A method as recited in claim 5, wherein said second and third keys are identical.

8. A method as recited in claim 5, wherein said second and third keys are identical.

9. A method as recited in claim 1, including the further steps of

loading a portion of said file, as blocks of data, into a memory queue,

setting a counter in accordance with a number of blocks in said memory queue, and

performing said step of defining a write order in accordance with said counter.

10. A method as recited in claim 1, wherein said data file contains audio and video data, said method including the further step of

separating audio and video into respective data blocks.

Sub A2

11. A method as recited in claim 1, wherein said data blocks include headers, said method including the further step of

Including said write order in said header.

12. A method as recited in claim 1, including a further step of

transmitting encryption software for performing said encryption of said data file to said decoder.

13. A method as recited in claim 12, wherein said encryption software includes said first key.

Sub A3

14. A decoder for receiving a digital transmission of a data file including

means for defining a write order of data blocks of said data file to non-sequential storage locations of a mass memory in accordance with a first key and allocating corresponding sectors,

means for storing said data blocks in memory in accordance with said write order and updating said file allocation table in a file allocation table,

means for encrypting the file allocation table with a key, forming an encrypted file allocation table, and

means for storing said encrypted file allocation table to said mass memory.

15. A decoder as recited in claim 14, wherein said means for storing said data sutilizes a second key and said means for encrpting the file allocation table utilizes a thid key.

16. A decoder as recited in claim 15, wherein two of said first, second and third keys are identical.

17. A decoder as recited in claim 14, further including

means for loading a portion of said file, as blocks of data, into a memory queue, and

means for setting a counter in accordance with a number of blocks in said memory queue

wherein said means for defining a write order is responsive to said counter.

18. A decoder as recited in claim 14, wherein one of said first, second and third keys is not shared with any other device.

19. A decoder as recited in claim 14, further including

means for receiving encryption software for encrypting said data file.

20. A decoder as recited in claim 14, further including a port to an outboard mass storage device.

ADD A4